

AMENDMENTS TO THE CLAIMS

Please amend claims 1, 6 and 10, as follows:

1. (Currently Amended) An apparatus for processing a signal, comprising:

a signal dispensing unit for dispensing an output signal output from a personal computer in the form of an analog or digital signal;

a signal processing unit for performing picture-in-picture signal processing enabling one of a digital personal computer signal generated by the signal dispensing unit and a decoded first signal input from an outside source to be displayed on a main screen and the other to be displayed on at least one sub-screen, and for processing the first signal to be displayed alone on the main screen, the first signal being any one of a television signal and a video signal;

an outputting unit for outputting an analog personal computer signal generated from the signal dispensing unit in response to a control signal for displaying only the personal computer signal, and outputting an output signal of the signal processing unit in response to a control signal for displaying the ~~picture-in-picture and first signals~~ personal computer signal and the first signal in picture-in-picture format; and

a monitor for amplifying the signal output from the outputting unit to be displayed.

2. (Original) The apparatus of claim 1, further comprising a signal conversion unit for converting the picture-in-picture signal output from the signal processing unit into an analog signal

3 before a signal is output from the outputting unit.

1 3. (Original) The apparatus of claim 1, with the signal processing unit, comprising:  
2 a decoding unit converting the first signal into a digital signal and decoding the first signal;  
3 a scan rate conversion unit for converting a scan rate of the decoded first signal; and  
4 a signal processing unit for performing a picture-in-picture signal process on the first signal  
5 whose scan rate is converted and the digital personal computer signal, so that one of the first signal  
6 and the digital personal computer signal is displayed on the main screen and the other of the first  
7 signal and the digital personal computer signal is displayed on the plurality of sub-screens, or for  
8 processing the first signal to be displayed alone on the main screen.

1 4. (Original) The apparatus of claim 1, with the decoded first signal input from an outside  
2 source, further comprising:  
3 a decoding unit converting the first signal into a digital signal and decoding the first signal;  
4 and  
5 a scan rate conversion unit for converting a scan rate of the decoded first signal.

1 5. (Original) The apparatus of claim 2, with the decoded first signal input from an outside  
2 source, further comprising:  
3 a decoding unit converting the first signal into a digital signal and decoding the first signal;  
4 and

5 a scan rate conversion unit for converting a scan rate of the decoded first signal.

1 6. (Currently Amended) A method for processing a signal, comprising the steps of:

2 dispensing an output signal output from a personal computer in the form of an analog or  
3 digital signal;

4 performing picture-in-picture signal processing enabling one of a digital personal computer  
5 signal generated by the step of dispensing the output signal and a decoded first signal input from an  
6 outside source to be displayed on a main screen and the other to be displayed on at least one sub-  
7 screen, and for processing the first signal to be displayed alone on the main screen, the first signal  
8 being any one of a television signal and a video signal;

9 outputting an analog personal computer signal generated from the step of dispensing an  
10 output signal in response to a control signal for displaying only the personal computer signal, and  
11 outputting an output signal of the step of performing picture-in-picture signal processing in response  
12 to a control signal for displaying the ~~picture-in-picture and first signals~~ personal computer signal and  
13 the first signal in picture-in-picture format;

14 amplifying the signal output from the step of outputting the analog personal computer signal;

15 and

16 displaying the amplified signal output.

1 7. (Original) The method of claim 6, further comprising the step of converting the picture-in-  
2 picture signal output from the step of performing picture-in-picture signal processing into an analog

3 signal before a signal is output from the step of outputting the analog personal computer signal.

1 8. (Original) The method of claim 6, with the decoded first signal input from an outside  
2 source, further comprising:

3 converting the first signal into a digital signal and decoding the first signal; and

4 converting a scan rate of the decoded first signal.

1 9. (Original) The method of claim 7, with the decoded first signal input from an outside  
2 source, further comprising:

A2 3 converting the first signal into a digital signal and decoding the first signal; and

4 converting a scan rate of the decoded first signal.

1 10. (Currently Amended) An apparatus for processing a signal, comprising:  
2 a personal computer generating an output signal accommodating a display of an image  
3 generated by the personal computer;

4 a signal dispensing unit dispensing the output signal from the personal computer;

5 a signal processing unit performing picture-in-picture signal processing enabling one of the  
6 output signal from the personal computer signal generated by the signal dispensing unit and a  
7 decoded video signal input from an outside source to be displayed on a main screen and the other  
8 to be displayed on at least one sub-screen, and for processing the video signal to be displayed alone  
9 on the main screen;

10 an outputting unit outputting the output signal of the personal computer signal generated from  
11 the signal dispensing unit in response to a control signal for displaying only the personal computer  
12 signal, and outputting an output signal of the signal processing unit in response to a control signal  
13 for displaying the ~~picture-in-picture and video signals~~ personal computer signal and the video signal  
14 in picture-in-picture format; and

15 a monitor amplifying and displaying the signal output from the outputting unit.

1 11. (Original) The apparatus of claim 10, further comprising a signal conversion unit for  
2 converting the picture-in-picture signal output from the signal processing unit from a digital signal  
3 into an analog signal before a signal is output from the outputting unit.

1 12. (Original) The apparatus of claim 10, with the decoded video signal input from an outside  
2 source, further comprising:

3 a decoding unit converting the video signal into a digital signal and decoding the video  
4 signal; and

5 a scan rate conversion unit for converting a scan rate of the decoded video signal.

1 13. (Original) The apparatus of claim 12, with the decoded video signal input from an outside  
2 source, further comprising:

3 a decoding unit converting the video signal into a digital signal and decoding the video  
4 signal; and

5 a scan rate conversion unit for converting a scan rate of the decoded video signal.

1 14. (Original) The apparatus of claim 10, further comprised of the video signal being selected  
2 from the group consisting of a television video signal and a non-broadcasted video signal.

1 15. (Original) The apparatus of claim 10, further comprising:  
2 an analog to digital converter unit converting the output signal from the signal dispensing  
3 unit from an analog signal into a digital signal for the signal processing unit; and  
4 a digital to analog converter unit converting the output signal generated from the signal  
5 dispensing unit from a digital signal into an analog signal for the outputting unit.

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